

GenCore version 5.1.4.p5.4578
Copyright (c) 1993 - 2003 CompuGen Ltd.

OM nucleic - nucleic search, using sw model

Run on: March 11, 2003, 00:05:17 ; Search time 44.0155 Seconds
(without alignments)
236.894 Million cell updates/sec

Title: US-09-913-524-33

Perfect score: 34

Sequence: 1 agccctccggaggaaccnctgcccagccaact 34

Scoring table: IDENTITY_NUC

Gapop 10.0 , Gapext 1.0

Searched: 441362 seqs, 153338381 residues

Total number of hits satisfying chosen parameters: 882724

Minimum DB seq length: 0

Maximum DB seq length: 2000000000

Post-processing: Minimum Match 0%

Maximum Match 100%

Listing first 45 summaries

Database : Issued_Patents_NA:*

- 1: /cgn2_6/prodata/1/ina/5A_COMB.seq:*
- 2: /cgn2_6/prodata/1/ina/5B_COMB.seq:*
- 3: /cgn2_6/prodata/1/ina/6A_COMB.seq:*
- 4: /cgn2_6/prodata/1/ina/6B_COMB.seq:*
- 5: /cgn2_6/prodata/1/ina/PCITUS_COMB.seq:*
- 6: /cgn2_6/prodata/1/ina/backfiles1.seq:*

Pred. No. is the number of results predicted by chance to have a score greater than or equal to the score of the result being printed, and is derived by analysis of the total score distribution.

SUMMARIES

Result No.	Score	Query Match	Length	DB ID	Description
1	33	97.1	1237	1	US-08-197-792-40 Sequence 40, Appl
2	33	97.1	1237	1	US-08-459-850-40 Sequence 40, Appl
3	33	97.1	1237	1	US-08-459-214-40 Sequence 40, Appl
4	23.4	68.8	1343	1	US-08-197-792-30 Sequence 30, Appl
5	23.4	68.8	1343	1	US-08-459-850-30 Sequence 30, Appl
6	23.4	68.8	1343	1	US-08-459-214-30 Sequence 30, Appl
7	19.6	57.6	1500	1	US-08-704-398-1 Sequence 1, Appl
8	19.6	57.6	1500	5	PCT-US95-05966-1 Sequence 1, Appl
9	19.2	56.5	1812	4	US-09-008-097-3 Sequence 3, Appl
10	19.2	56.5	3549	4	US-09-008-097-5 Sequence 5, Appl
11	19.2	56.5	4046	1	US-07-793-961A-1 Sequence 1, Appl
12	19.2	56.5	4046	1	US-08-240-357-1 Sequence 1, Appl
13	19.2	56.5	4331	3	US-08-726-214-11 Sequence 11, Appl
14	19.2	56.5	4942	4	US-09-474-076-1 Sequence 1, Appl
15	19.2	56.5	45546	4	US-09-146-053-6 Sequence 6, Appl
16	19	55.9	176	4	US-09-397-787-331 Sequence 331, Appl
17	19	55.9	613	2	US-08-658-639-11 Sequence 11, Appl
18	19	55.9	613	4	US-08-944-604-11 Sequence 11, Appl
19	19	55.9	903	4	US-08-944-604-15 Sequence 15, Appl
20	18.8	55.3	12141	4	US-09-488-671-10 Sequence 10, Appl
c 21	18.8	55.3	43280	2	US-08-804-227C-1 Sequence 1, Appl
22	18.6	54.7	2661	4	US-09-221-017B-1035 Sequence 1035, Ap
c 23	18.2	53.5	1074	2	US-08-627-151A-15 Sequence 15, Appl
c 24	18.2	53.5	1196	3	US-08-691-563C-56 Sequence 56, Appl
c 25	18.2	53.5	1404	6	5171840-8 Patent No. 5171840
c 26	18.2	53.5	1404	6	5480796-8 Patent No. 5480796
c 27	18.2	53.5	1486	4	US-08-795-473B-3 Sequence 3, Appl

c 28	18.2	53.5	1486	4	US-09-439-856-3 Sequence 3, Appl
c 29	18.2	53.5	2061	6	5171840-1 Patent No. 5171840
c 30	18.2	53.5	2061	6	5480796-1 Patent No. 5480796
c 31	18.2	53.5	2391	3	US-08-691-563C-57 Sequence 57, Appl
c 32	18.2	53.5	3319	4	US-08-795-473B-2 Sequence 2, Appl
c 33	18.2	53.5	3319	4	US-09-439-856-2 Sequence 2, Appl
c 34	17.8	52.4	63	4	US-09-258-797-116 Sequence 116, App
c 35	17.8	52.4	1376	4	US-09-443-184-44 Sequence 44, Appl
c 36	17.8	52.4	1722	3	US-08-691-563C-58 Sequence 58, Appl
c 37	17.6	51.8	516	5	PCT-US95-02795A-3 Sequence 3, Appl
38	17.6	51.8	521	1	US-08-481-633B-1 Sequence 1, Appl
39	17.6	51.8	521	1	US-08-480-493A-1 Sequence 1, Appl
40	17.6	51.8	521	1	US-08-482-638A-1 Sequence 1, Appl
41	17.6	51.8	531	5	PCT-US95-02795A-1 Sequence 1, Appl
42	17.6	51.8	1879	4	US-09-750-580-2 Sequence 2, Appl
43	17.6	51.8	2618	4	US-09-488-671-17 Sequence 17, Appl
44	17.6	51.8	4473	3	US-08-894-173-1 Sequence 1, Appl
45	17.6	51.8	4473	4	US-09-398-193-1 Sequence 1, Appl

ALIGNMENTS

RESULT 1

US-08-197-792-40
; Sequence 40, Application US/08197792
; Patent No. 5523488
; GENERAL INFORMATION:
; APPLICANT: Anthony J. Mason
; APPLICANT: Peter H. Seeburg
; TITLE OF INVENTION: Nucleic Acid Encoding the Alpha or Beta Chains of Inhibin
; NUMBER OF SEQUENCES: 44
; CORRESPONDENCE ADDRESS:
; ADDRESSEE: Genentech, Inc.
; STREET: 460 Point San Bruno Blvd
; CITY: South San Francisco
; STATE: California
; COUNTRY: USA
; ZIP: 94080
; COMPUTER READABLE FORM:
; MEDIUM TYPE: 5.25 inch, 360 Kb floppy disk
; COMPUTER: IBM PC compatible
; OPERATING SYSTEM: PC-DOS/MS-DOS
; SOFTWARE: patin (Genentech)
; CURRENT APPLICATION DATA:
; APPLICATION NUMBER: US/08/197,792
; FILING DATE: 16-FEB-1994
; CLASSIFICATION: 435
; PRIOR APPLICATION DATA:
; APPLICATION NUMBER: 07/958414
; FILING DATE: 08-OCT-1992
; PRIOR APPLICATION DATA:
; APPLICATION NUMBER: 07/744207
; FILING DATE: 12-AUG-1991
; PRIOR APPLICATION DATA:
; APPLICATION NUMBER: 07/215466
; FILING DATE: 05-JUL-1988
; PRIOR APPLICATION DATA:
; APPLICATION NUMBER: 06/906729
; FILING DATE: 31-DEC-1986
; PRIOR APPLICATION DATA:
; APPLICATION NUMBER: 06/827710
; FILING DATE: 07-FEB-1986
; PRIOR APPLICATION DATA:
; APPLICATION NUMBER: 06/783910
; FILING DATE: 03-OCT-1985
; ATTORNEY/AGENT INFORMATION:
; NAME: Hasak, Janet E.
; REGISTRATION NUMBER: 28,616
; REFERENCE/DOCKET NUMBER: 297P2D4
; TELECOMMUNICATION INFORMATION:
; TELEPHONE: 415/225-1896
; TELEFAX: 415/952-9881

TELEX: 910/371-7168
; INFORMATION FOR SEQ ID NO: 40:
; SEQUENCE CHARACTERISTICS:
; LENGTH: 1237 bases
; TYPE: nucleic acid
; STRANDEDNESS: single
; TOPOLOGY: linear
US-08-197-792-40

Query Match 97.1%; Score 33; DB 1; Length 1237;
Best Local Similarity 97.1%; Pred. No. 0.00016;
Matches 33; Conservative 0; Mismatches 1; Indels 0; Gaps 0;

QY 1 AGGCTCCGAGAACCGCTGCCCATGCCCACT 34
|||||
DB 708 AGGCTCCGAGAACCGCTGCCCATGCCCACT 741

RESULT 2

US-08-459-850-40
; Sequence 40, Application US/08459850
; Patent No. 5665568
; GENERAL INFORMATION:
; APPLICANT: Anthony J. Mason
; APPLICANT: Peter H. Seeburg
; TITLE OF INVENTION: Nucleic Acid Encoding the Alpha or
; TITLE OF INVENTION: Beta Chains of Inhibin and Method for Synthesizing Polypeptide
; TITLE OF INVENTION: Using such Nucleic Acid
; NUMBER OF SEQUENCES: 44
; CORRESPONDENCE ADDRESS:
; ADDRESSEE: Genentech, Inc.
; STREET: 460 Point San Bruno Blvd
; CITY: South San Francisco
; STATE: California
; COUNTRY: USA
; ZIP: 94080
; COMPUTER READABLE FORM:
; MEDIUM TYPE: 5.25 inch, 360 Kb floppy disk
; COMPUTER: IBM PC compatible
; OPERATING SYSTEM: PC-DOS/MS-DOS
; SOFTWARE: patin (Genentech)
; CURRENT APPLICATION DATA:
; APPLICATION NUMBER: US/08/459,850
; FILING DATE: 02-JUN-1995
; CLASSIFICATION: 435
; PRIOR APPLICATION DATA:
; APPLICATION NUMBER: 08/197792
; FILING DATE: 17-FEB-1994
; PRIOR APPLICATION DATA:
; APPLICATION NUMBER: 07/958414
; FILING DATE: 08-OCT-1992
; PRIOR APPLICATION DATA:
; APPLICATION NUMBER: 07/744207
; FILING DATE: 12-AUG-1991
; PRIOR APPLICATION DATA:
; APPLICATION NUMBER: 07/215466
; FILING DATE: 05-JUL-1988
; PRIOR APPLICATION DATA:
; APPLICATION NUMBER: 06/906729
; FILING DATE: 31-DEC-1986
; PRIOR APPLICATION DATA:
; APPLICATION NUMBER: 06/827710
; FILING DATE: 07-FEB-1986
; PRIOR APPLICATION DATA:
; APPLICATION NUMBER: 06/783910
; FILING DATE: 03-OCT-1985
; ATTORNEY/AGENT INFORMATION:
; NAME: Hasak, Janet E.
; REGISTRATION NUMBER: 28,616
; REFERENCE/DOCKET NUMBER: 297P205
; TELECOMMUNICATION INFORMATION:
; TELEPHONE: 415/225-1896
; TELEFAX: 415/952-9881

TELEX: 910/371-7168
; INFORMATION FOR SEQ ID NO: 40:
; SEQUENCE CHARACTERISTICS:
; LENGTH: 1237 bases
; TYPE: nucleic acid
; STRANDEDNESS: single
; TOPOLOGY: linear
US-08-459-850-40

Query Match 97.1%; Score 33; DB 1; Length 1237;
Best Local Similarity 97.1%; Pred. No. 0.00016;
Matches 33; Conservative 0; Mismatches 1; Indels 0; Gaps 0;

QY 1 AGGCTCCGAGAACCGCTGCCCATGCCCACT 34
|||||
DB 708 AGGCTCCGAGAACCGCTGCCCATGCCCACT 741

RESULT 3

US-08-459-214-40
; Sequence 40, Application US/08459214
; Patent No. 5716810
; GENERAL INFORMATION:
; APPLICANT: Anthony J. Mason
; APPLICANT: Peter H. Seeburg
; TITLE OF INVENTION: Nucleic Acid Encoding the Alpha or
; TITLE OF INVENTION: Beta Chains of Inhibin and Method for Synthesizing Polypep
; TITLE OF INVENTION: Using such Nucleic Acid
; NUMBER OF SEQUENCES: 44
; CORRESPONDENCE ADDRESS:
; ADDRESSEE: Genentech, Inc.
; STREET: 460 Point San Bruno Blvd
; CITY: South San Francisco
; STATE: California
; COUNTRY: USA
; ZIP: 94080
; COMPUTER READABLE FORM:
; MEDIUM TYPE: 5.25 inch, 360 Kb floppy disk
; COMPUTER: IBM PC compatible
; OPERATING SYSTEM: PC-DOS/MS-DOS
; SOFTWARE: patin (Genentech)
; CURRENT APPLICATION DATA:
; APPLICATION NUMBER: US/08/459,214
; FILING DATE: 02-JUN-1995
; CLASSIFICATION: 435
; PRIOR APPLICATION DATA:
; APPLICATION NUMBER: 08/197792
; FILING DATE: 17-FEB-1994
; PRIOR APPLICATION DATA:
; APPLICATION NUMBER: 07/958414
; FILING DATE: 08-OCT-1992
; PRIOR APPLICATION DATA:
; APPLICATION NUMBER: 07/744207
; FILING DATE: 12-AUG-1991
; PRIOR APPLICATION DATA:
; APPLICATION NUMBER: 07/215466
; FILING DATE: 05-JUL-1988
; PRIOR APPLICATION DATA:
; APPLICATION NUMBER: 06/906729
; FILING DATE: 31-DEC-1986
; PRIOR APPLICATION DATA:
; APPLICATION NUMBER: 06/827710
; FILING DATE: 07-FEB-1986
; PRIOR APPLICATION DATA:
; APPLICATION NUMBER: 06/783910
; FILING DATE: 03-OCT-1985
; ATTORNEY/AGENT INFORMATION:
; NAME: Hasak, Janet E.
; REGISTRATION NUMBER: 28,616
; REFERENCE/DOCKET NUMBER: 297P2D6
; TELECOMMUNICATION INFORMATION:
; TELEPHONE: 415/225-1896
; TELEFAX: 415/952-9881

STRANDEDNESS: single
TOPOLOGY: linear
US-08-459-850-30

Query Match 68.8%; Score 23.4; DB 1; Length 1343;
Best Local Similarity 79.4%; Pred. No. 0.94;
Matches 27; Conservative 0; Mismatches 7; Indels 0; Gaps 0;

QY 1 AGGCCTCCGAGAACCGNCTGCCCATGCCACT 34
||||| ||||||||| ||| || |||||
Db 816 AGGCCCGGAGGAGACCGCTGTGCACGCGACT 849

RESULT 6

US-08-459-214-30
; Sequence 30, Application US/08459214
; Patent No. 5716810

GENERAL INFORMATION:

APPLICANT: Anthony J. Mason
APPLICANT: Peter H. Seeburg
TITLE OF INVENTION: Nucleic Acid Encoding the Alpha or
TITLE OF INVENTION: Beta Chains of Inhibin and Method for Synthesizing Polypeptide
TITLE OF INVENTION: Using such Nucleic Acid
NUMBER OF SEQUENCES: 44
CORRESPONDENCE ADDRESS:
ADDRESSEE: Genentech, Inc.
STREET: 460 Point San Bruno Blvd
CITY: South San Francisco
STATE: California
COUNTRY: USA
ZIP: 94080

COMPUTER READABLE FORM:
MEDIUM TYPE: 5.25 inch, 360 Kb floppy disk
COMPUTER: IBM PC compatible
OPERATING SYSTEM: PC-DOS/MS-DOS
SOFTWARE: patlin (Genentech)
CURRENT APPLICATION DATA:
APPLICATION NUMBER: US/08/459,214
FILING DATE: 02-JUN-1995

CLASSIFICATION: 435

PRIOR APPLICATION DATA:

APPLICATION NUMBER: 08/197792

FILING DATE: 17-FEB-1994

PRIOR APPLICATION DATA:

APPLICATION NUMBER: 07/958414

FILING DATE: 08-OCT-1992

PRIOR APPLICATION DATA:

APPLICATION NUMBER: 07/744207

FILING DATE: 12-AUG-1991

PRIOR APPLICATION DATA:

APPLICATION NUMBER: 07/215466

FILING DATE: 05-JUL-1988

PRIOR APPLICATION DATA:

APPLICATION NUMBER: 06/906729

FILING DATE: 31-DEC-1986

PRIOR APPLICATION DATA:

APPLICATION NUMBER: 06/827710

FILING DATE: 07-FEB-1986

PRIOR APPLICATION DATA:

APPLICATION NUMBER: 06/783910

FILING DATE: 03-OCT-1985

ATTORNEY/AGENT INFORMATION:

NAME: Hasak, Janet E. 28,616

REGISTRATION NUMBER: 297P2d6

REFERENCE/DOCKET NUMBER: 415/225-1896

TELEPHONE: 415/952-9881

TELEFAX: 415/952-9881

TELEX: 910/371-7168

INFORMATION FOR SEQ ID NO: 30:

SEQUENCE CHARACTERISTICS:

LENGTH: 1343 bases

TYPE: nucleic acid

STRANDEDNESS: single
TOPOLOGY: linear
US-08-459-214-30

Query Match 68.8%; Score 23.4; DB 1; Length 1343;
Best Local Similarity 79.4%; Pred. No. 0.94;
Matches 27; Conservative 0; Mismatches 7; Indels 0; Gaps 0;

QY 1 AGGCCTCCGAGAACCGNCTGCCCATGCCACT 34
||||| ||||||||| ||| || |||||
Db 816 AGGCCCGGAGGAGACCGCTGTGCACGCGACT 849

RESULT 7

US-08-704-398-1
; Sequence 1, Application US/08704398
; Patent No. 5679525

GENERAL INFORMATION:

APPLICANT: Peterson, Michael G
APPLICANT: Henkel, Thomas
TITLE OF INVENTION: EPSTEIN-BARR VIRUS TRANSCRIPTION FACTOR
TITLE OF INVENTION: BINDING ASSAY
NUMBER OF SEQUENCES: 11
CORRESPONDENCE ADDRESS:
ADDRESSEE: FLEHR, HUBACH, TEST, ALBRITTON & HERBERT
STREET: 4 Embarcadero Center, Suite 3400
CITY: San Francisco
STATE: California
COUNTRY: USA
ZIP: 94111-4187

COMPUTER READABLE FORM:

MEDIUM TYPE: Floppy disk
COMPUTER: IBM PC compatible
OPERATING SYSTEM: PC-DOS/MS-DOS
SOFTWARE: Patent In Release #1.0, Version #1.25
CURRENT APPLICATION DATA:
APPLICATION NUMBER: US/08/704,398
FILING DATE:

CLASSIFICATION: 435

PRIOR APPLICATION DATA:

APPLICATION NUMBER: US/08/246,977

FILING DATE: 20-MAY-1994

ATTORNEY/AGENT INFORMATION:

NAME: Osman, Richard A

REGISTRATION NUMBER: 36,627

REFERENCE/DOCKET NUMBER: A-59233/ 'O

TELEPHONE: (415) 781-1989

TELEFAX: (415) 398-4249

TELEX: 910 277299

INFORMATION FOR SEQ ID NO: 1:

SEQUENCE CHARACTERISTICS:

LENGTH: 1500 base pairs

TYPE: nucleic acid

STRANDEDNESS: double

TOPOLOGY: linear

MOLECULE TYPE: cDNA

FEATURE:

NAME/KEY: CDS

LOCATION: 1..1500

US-08-704-398-1

Query Match 57.6%; Score 19.6; DB 1; Length 1500;
Best Local Similarity 81.5%; Pred. No. 29;
Matches 22; Conservative 0; Mismatches 5; Indels 0; Gaps 0;

QY 3 GCCTCGGAGGAGACCGNCTGCCCATGC 29
||| ||||| ||| |||||
Db 21 GCGCGGAGGAGGAGCGCGCTGCCCATGC 47

RESULT 8

PCT-US95-05966-1

```
; Sequence 1, Application PC/US9505966
; GENERAL INFORMATION:
; APPLICANT: TOLARIK, INC.
; TITLE OF INVENTION: EPSTEIN-BARR VIRUS TRANSCRIPTION FACTOR
; NUMBER OF SEQUENCES: 11
; CORRESPONDENCE ADDRESS:
; ADDRESSEE: FLEHR, HORRACH, TEST, ALBRITTON & HERBERT
; STREET: 4 Embarcadero Center, Suite 3400
; CITY: San Francisco
; STATE: California
; COUNTRY: USA
; ZIP: 94111-4187
; COMPUTER READABLE FORM:
; MEDIUM TYPE: Floppy disk
; COMPUTER: IBM PC compatible
; OPERATING SYSTEM: PC-DOS/MS-DOS
; SOFTWARE: Patent in Release #1.0, Version #1.25
; CURRENT APPLICATION DATA:
; APPLICATION NUMBER: PCT/US95/05966
; FILING DATE:
; CLASSIFICATION:
; PRIOR APPLICATION DATA:
; APPLICATION NUMBER: US 08/246,977
; FILING DATE: 20-MAY-1994
; ATTORNEY/AGENT INFORMATION:
; NAME: Osman, Richard A
; REGISTRATION NUMBER: 36,627
; REFERENCE/DOCKET NUMBER: FP-59233-PC/RAO
; TELECOMMUNICATION INFORMATION:
; TELEPHONE: (415) 781-1989
; TELEFAX: (415) 398-3249
; TELEX: 910 277299
; INFORMATION FOR SEQ ID NO: 1:
; SEQUENCE CHARACTERISTICS:
; LENGTH: 1500 base pairs
; TYPE: nucleic acid
; STRANDEDNESS: double
; TOPOLOGY: linear
; MOLECULE TYPE: cDNA
; FEATURE:
; NAME/KEY: CDS
; LOCATION: 1..1500
; PCT-US95-05966-1

Query Match 57.6%; Score 19.6; DB 5; Length 1500;
Best Local Similarity 81.5%; Pred. No. 29;
Matches 22; Conservative 0; Mismatches 5; Indels 0; Gaps 0;

QY 3 GCCTCCGGAGGAGCGGCTCCGCGATGC 29
||| ||||| ||| ||||| |||||
Db 21 GCCCGCGAGGAGCGGCTCCGCGATGC 47

RESULT 9
US-09-008-097-3
; Sequence 3, Application US/09008097
; Patent No. 6306830
; GENERAL INFORMATION:
; APPLICANT: Hammond, H. Kirk
; APPLICANT: Insel, Paul A.
; APPLICANT: Ping, Peipei
; APPLICANT: Post, Steven R.
; APPLICANT: Gao, Meihua
; TITLE OF INVENTION: GENE THERAPY FOR CONGESTIVE
; HEART FAILURE
; NUMBER OF SEQUENCES: 9
; CORRESPONDENCE ADDRESS:
; ADDRESSEE: MORRISON & FOERSTER
; STREET: 755 PAGE MILL ROAD
; CITY: PALO ALTO
; STATE: CA
; COUNTRY: USA
```

```
; ZIP: 94304-1018
; COMPUTER READABLE FORM:
; MEDIUM TYPE: Diskette
; COMPUTER: IBM Compatible
; OPERATING SYSTEM: DOS
; SOFTWARE: FastSeq for Windows Version 2.0
; CURRENT APPLICATION DATA:
; APPLICATION NUMBER: US/09/008,097
; FILING DATE:
; CLASSIFICATION:
; PRIOR APPLICATION DATA:
; APPLICATION NUMBER:
; FILING DATE:
; ATTORNEY/AGENT INFORMATION:
; NAME: Dylau, Tyler M
; REGISTRATION NUMBER: 47,612
; REFERENCE/DOCKET NUMBER: 22600-20567.21
; TELECOMMUNICATION INFORMATION:
; TELEPHONE: 650-813-5600
; TELEFAX: 650-494-0792
; TELEX: 706141
; INFORMATION FOR SEQ ID NO: 3:
; SEQUENCE CHARACTERISTICS:
; LENGTH: 1812 base pairs
; TYPE: nucleic acid
; STRANDEDNESS: double
; TOPOLOGY: linear
; FEATURE:
; NAME/KEY: Coding Sequence
; LOCATION: 1..1812
; OTHER INFORMATION:
; US-09-008-097-3

Query Match 56.5%; Score 19.2; DB 4; Length 1812;
Best Local Similarity 72.7%; Pred. No. 43;
Matches 24; Conservative 0; Mismatches 9; Indels 0; Gaps 0;

QY 2 GGCCTCCGAGGAGCGGCTCCGCGATGCCAACT 34
||| ||||| ||| ||||| |||||
Db 668 GGCCTCCGAGGAGCGGCTCCGCGATGCCAACT 700

RESULT 10
US-09-008-097-5
; Sequence 5, Application US/09008097
; Patent No. 6306830
; GENERAL INFORMATION:
; APPLICANT: Hammond, H. Kirk
; APPLICANT: Insel, Paul A.
; APPLICANT: Ping, Peipei
; APPLICANT: Post, Steven R.
; APPLICANT: Gao, Meihua
; TITLE OF INVENTION: GENE THERAPY FOR CONGESTIVE
; HEART FAILURE
; NUMBER OF SEQUENCES: 9
; CORRESPONDENCE ADDRESS:
; ADDRESSEE: MORRISON & FOERSTER
; STREET: 755 PAGE MILL ROAD
; CITY: PALO ALTO
; STATE: CA
; COUNTRY: USA
; ZIP: 94304-1018
; COMPUTER READABLE FORM:
; MEDIUM TYPE: Diskette
; COMPUTER: IBM Compatible
; OPERATING SYSTEM: DOS
; SOFTWARE: FastSeq for Windows Version 2.0
; CURRENT APPLICATION DATA:
; APPLICATION NUMBER: US/09/008,097
; FILING DATE:
; CLASSIFICATION:
; PRIOR APPLICATION DATA:
; APPLICATION NUMBER:
```

```

? TOPOLOGY: linear
? MOLECULE TYPE: DNA (genomic)
US-07-793-961A-1

Query Match 56.5%; Score 19.2; DB 1; Length 4046;
Best Local Similarity 72.7%; Pred. No. 46;
Matches 24; Conservative 0; Mismatches 9; Indels 0; Gaps 0;

QY 2 GGCCTCCGGAGAACCGNCTGCCCATGCCAACT 34
||| ||||||| | | | ||||||| |||
Db 1428 GCGTCGGAGGCCCGGGCAGACCATGCCCACT 1460

RESULT 12
US-08-240-357-1
? Sequence 1, Application US/08240357
? Patent No. 5578481
? GENERAL INFORMATION:
? APPLICANT: Ishikawa, Yoshihiro
? TITLE OF INVENTION: Cloning and Characterization of a
? TITLE OF INVENTION: Cardiac Adenylyl Cyclase
? NUMBER OF SEQUENCES: 2
? CORRESPONDENCE ADDRESS:
? ADDRESSEE: American Cyanamid Company
? STREET: One Cyanamid Plaza
? CITY: Wayne
? STATE: New Jersey
? COUNTRY: USA
? ZIP: 07470-8426
? COMPUTER READABLE FORM:
? MEDIUM TYPE: Floppy disk
? COMPUTER: IBM PC compatible
? OPERATING SYSTEM: PC-DOS/MS-DOS
? SOFTWARE: Patent In Release #1.0, Version #1.25
? CURRENT APPLICATION DATA:
? APPLICATION NUMBER: US/08/240,357
? FILING DATE: 10-MAY-1994
? CLASSIFICATION: 435
? ATTORNEY/AGENT INFORMATION:
? NAME: Gordon, Alan M.
? REGISTRATION NUMBER: 30,637
? REFERENCE/DOCKET NUMBER: 31,705-01
? TELECOMMUNICATION INFORMATION:
? TELEPHONE: 201-831-3244
? TELEFAX: 201-831-3305
? INFORMATION FOR SEQ ID NO: 1:
? SEQUENCE CHARACTERISTICS:
? LENGTH: 4046 base pairs
? TYPE: nucleic acid
? STRANDEDNESS: single
? TOPOLOGY: linear
? MOLECULE TYPE: DNA (genomic)
? FEATURE:
? NAME/KEY: CDS
? LOCATION: 131..3625
US-08-240-357-1

Query Match 56.5%; Score 19.2; DB 1; Length 4046;
Best Local Similarity 72.7%; Pred. No. 46;
Matches 24; Conservative 0; Mismatches 9; Indels 0; Gaps 0;

QY 2 GGCCTCCGGAGAACCGNCTGCCCATGCCAACT 34
||| ||||||| | | | ||||||| |||
Db 1428 GCGTCGGAGGCCCGGGCAGACCATGCCCACT 1460

RESULT 13
US-08-726-214-11
? Sequence 11, Application US/08726214
? Patent No. 6107076
? GENERAL INFORMATION:
? APPLICANT: Tang, Wei-Jen
? APPLICANT: Gilman, Alfre G

```

;> TITLE OF INVENTION: SOLUBLE MAMMALIAN ADENYLYL CYCLASE
;> TITLE OF INVENTION: AND USES THEREFOR
;> NUMBER OF SEQUENCE: 31
;> CORRESPONDENCE ADDRESSES:
;> ADDRESSER: Arnold, White & Burkee
;> STREET: P.O. Box 4433
;> CITY: Houston
;> STATE: Texas
;> COUNTRY: United States of America
;> ZIP: 77210
;> COMPUTER READABLE FORM:
;> MEDIUM TYPE: Floppy disk
;> COMPUTER: IBM PC compatible
;> OPERATING SYSTEM: PC-DOS/MS-DOS
;> SOFTWARE: PatentIn Release #1.0, Version #1.30
;> CURRENT APPLICATION DATA:
;> APPLICATION NUMBER: US/08/726,214
;> FILING DATE: Concurrently Herewith
;> CLASSIFICATION: 435
;> PRIOR APPLICATION DATA:
;> APPLICATION NUMBER: US 60/005,498
;> FILING DATE: 04-OCT-1995
;> ATTORNEY/AGENT INFORMATION:
;> NAME: Highlandef, Steven L.
;> REGISTRATION NUMBER: 37,642
;> REFERENCE/DOCKET NUMBER: UTSD:450
;> TELECOMMUNICATION INFORMATION:
;> TELEPHONE: (512) 418-3000
;> TELEFAX: (512) 474-7577
;> INFORMATION FOR SEQ ID NO: 11:
;> SEQUENCE CHARACTERISTICS:
;> LENGTH: 4131 base pairs
;> TYPE: nucleic acid
;> STRANDEDNESS: single
;> TOPOLOGY: linear
US-08-726-214-11

Query Match 56.5%; Score 19.2; DB 3; Length 4131;
Best Local Similarity 72.7%; Pred. No. 46;
Matches 24; Conservative 0; Mismatches 9; Indels 0; Gaps 0;

QY 2 GGCTCCGGAGGACCGNCTGCCCATGCCCAACT 34
||| ||||| | | | ||||| |||
Db 1353 GGCTCCGGAGGACCGCGGACAGACCATGCCCACT 1385

RESULT 14
US-09-474-076-1
;> Sequence 1, Application US/09474076
;> Patent No. 6465237
;> GENERAL INFORMATION:
;> APPLICANT: Tomlinson, James E.
;> APPLICANT: COR Therapeutics, Inc.
;> TITLE OF INVENTION: CLONING AND CHARACTERIZATION OF A HUMAN ADENYLYL
;> TITLE OF INVENTION: CYCLASE
;> FILE REFERENCE: 44481-5028-01-US
;> CURRENT APPLICATION NUMBER: US/09/474,076
;> CURRENT FILING DATE: 1999-12-12
;> PRIOR APPLICATION NUMBER: PCT/US98/13694
;> PRIOR FILING DATE: 1998-07-01
;> PRIOR APPLICATION NUMBER: 60/070,904
;> PRIOR FILING DATE: 1997-07-01
;> PRIOR APPLICATION NUMBER: 08/886,550
;> PRIOR FILING DATE: 1997-07-01
;> NUMBER OF SEQ ID NOS: 2
;> SOFTWARE: PatentIn Ver. 2.0
;> SEQ ID NO 1
;> LENGTH: 4942
;> TYPE: DNA
;> ORGANISM: human type VI adenylyl cyclase
;> FEATURE:
;> NAME/KEY: CDS
;> LOCATION: (145)..(3648)

US-09-474-076-1
Query Match 56.5%; Score 19.2; DB 4; Length 4942;
Best Local Similarity 72.7%; Pred. No. 46;
Matches 24; Conservative 0; Mismatches 9; Indels 0; Gaps 0;
OY 2 GGCTCCGGAGGACCGNCTGCCCATGCCCAACT 34
||| ||||| | | | ||||| |||
Db 1448 GGCTCCGGAGGACCGCGGACCATGCCCACT 1480

RESULT 15
US-09-146-053-6
;> Sequence 6, Application US/09146053A
;> Patent No. 6399349
;> GENERAL INFORMATION:
;> APPLICANT: Ryan, James W.
;> APPLICANT: Sprinkle, Terry Joe Curtis
;> APPLICANT: Venema, Richard C.
;> TITLE OF INVENTION: Human Amino-peptidase P Gene
;> FILE REFERENCE: MCG103
;> CURRENT APPLICATION NUMBER: US/09/146,053A
;> CURRENT FILING DATE: 1998-09-62
;> EARLIER APPLICATION NUMBER: 60/057,854
;> EARLIER FILING DATE: 1997-09-02
;> NUMBER OF SEQ ID NOS: 7
;> SOFTWARE: PatentIn Ver. 2.0
;> SEQ ID NO 6
;> LENGTH: 45546
;> TYPE: DNA
;> ORGANISM: Homo sapiens
US-09-146-053-6

Query Match 56.5%; Score 19.2; DB 4; Length 45546;
Best Local Similarity 72.7%; Pred. No. 55;
Matches 24; Conservative 0; Mismatches 9; Indels 0; Gaps 0;

QY 1 AGGCTCCGGAGGACCGNCTGCCCATGCCCAAC 33
||| | | ||||| | | | ||| | | |
Db 11587 AGGCCACGAGGAGGAGCACTGACATGGCAGC 11619

Search completed: March 11, 2003, 10:29:06
Job time : 54.0155 secs